





SAINT-GOBAIN

TOTAL BURNER SOLUTION FOR ALUMINUM ANNEALING

The annealing furnace consumes a significant amount of energy and generates carbon and nitrogen oxide emissions. Saint-Gobain Performance Ceramics & Refractories offers a unique burner solution for Aluminum Annealing to improve the radiant tubes' energy usage, emissions, and thermal performance.



SPYROCOR® RADIANT TUBE INSERT

The "twisted tape" design of the SpyroCor® advanced radiant tube insert recovers heat lost in exhaust gases.

BENEFITS

Advanced silicon carbide microstructures provide high thermal conductivity and shock resistance

Long service life

High radiant output



HEATCOR™RECUPERATOR

A 3D-printed ceramic recuperator that pre-heats combustion air for high efficiency burner performance.

BENEFITS

Thin-wall silicon carbide offers the highest rates of heat transfer and thermal performance

Variable twist and channel cross-section provides optimized efficiency with the lowest pressure drop

Working temperature up to 1,350°C



NOXBUSTER® RADIANT TUBE INSERT

NOxBuster® patented design suppresses NOx formation via internal exhaust gas recirculation within the radiant tube.

BENEFITS

Novel design combines recirculation and staged combustion for optimum

NOx reduction using HeatCor™

SAINT-GOBAIN PERFORMANCE CERAMICS & REFRACTORIES

For more information: www.ceramicsrefractories.saint-gobain.com ceramics.refractories@saint-gobain.com

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